

Interactive comment on “Estimation of pollen counts from light scattering intensity when sampling multiple pollen taxa – Establishment of Automated Multi-taxa Pollen Counting Estimation System (AME System)” by Kenji Miki and Shigeto Kawashima

Anonymous Referee #2

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General Comments

Authors have developed a new method to spiciate the pollen type from the light scattering data. The method is potentially applied to the data obtained from the field measurements. The manuscript is clearly written and can be published after some minor revisions are made.

Specific comment Authors should provide the schematics for experimental setup. They

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also should describe how the pollen grains were aerosolized in their study to sample them into the pollen counter.

It is more general to call “forward” scattering than “front” scattering.

It is helpful if authors can provide the approximate particles diameter range corresponding to the measured range of light scattering signals whose unit is volt.

Page 4, Line 136-137 P_Alnus_front should be changed to P_Artemisia_side

Probability density function shown in Figure 4 may be omitted as they have the same profile as the number of pollen incidents versus the voltage.

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2020-320, 2020.